

RECONFIGURABLE ANTENNAS

5

ABSTRACT OF THE DISCLOSURE

An antenna element comprising at least two conductive elements, and a fluid (e.g., gas or vapor) filled bulb or tube positioned between the conductive elements is provided.

The fluid is capable of ionization such that when the fluid in the bulb or tube is energized,

10 the conductive elements electrically communicate with one another, and when the fluid is not energized, the conductive elements do not electrically communicate with one another.

15